

# Bahare Fatemi

Computer Science Department  
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LinkedIn

- EDUCATION**
- ◇ **Ph.D. in Computer Science**, University of British Columbia (2017 - present),  
**Supervisor:** Prof. David Poole, **Research Area:** ML, Knowledge Graphs, Link Prediction.
  - ◇ **M.Sc. in Computer Science**, University of British Columbia (2015 - 2017), **GPA: 90.8/100**,  
**Supervisor:** Prof. David Poole, **Thesis:** How to find a record in a database? [Link](#)
  - ◇ **B.Sc. in Software Engineering**, Amirkabir University of Technology (2011 - 2015), **GPA: 18.46/20**, **Supervisor:** Prof. Shahram Khadivi, **Thesis:** Efficient elimination ordering in PGMs.
- WORK EXPERIENCE**
- ◇ **Contractor at TELUS:** July 2016-September 2017, Designing a probabilistic model to solve an entity resolution problem in TELUS billing accounts, **Supervisor:** Mike Tyndall
  - ◇ **Software Developer at SOHATO:** February 2015-August 2015, Back-end developer for a large national project in Iran. **Supervisor:** Amir Rasekh
  - ◇ **Software Engineer Intern at TCI Khorasan Razavi:** May 2014-August 2014, Design and implementation of an automated data management/manipulation system, **Supervisor:** Davood Zohoorian
- RELEVANT COURSES**
- ◇ Machine learning and data mining, Vision and Language, Intro to AI, Uncertainty in AI, Information retrieval, Algorithms and data structures, Programming languages, Adv. programming.
- TECHNICAL SKILLS**
- ◇ Python, TensorFlow, PyTorch, C/C++, Java, Ruby, MATLAB, Weka, Java Script, HTML, SQL.
- PUBLICATIONS**
- ◇ **Fatemi, B.**, Kazemi, S.M., Poole, D. "Using Record Linkage to Match and Unify Customer Names: a Probabilistic Approach" (submitted to ICDM 2018)
  - ◇ Ramanan, N., Kunapuli, G., Khot, T., **Fatemi, B.**, Kazemi, S. M., Poole, D., Kersting, K., Nataraajan, S. "Structure Learning for Relational Logistic Regression: An Ensemble Approach" (submitted to KR 2018)
  - ◇ Kazemi, S.M., **Fatemi, B.**, Kim A., Peng Z., Roy Tora M., Zeng X., Dirks M, Poole, D."Comparing Aggregators for Relational Probabilistic Models", UAI Workshop on StarAI, August 2017. [Link](#)
  - ◇ **Fatemi, B.**, Kazemi, S.M., Poole, D. "A Learning Algorithm for Relational Logistic Regression: Preliminary Results", IJCAI Workshop on StarAI, July 2016. [Link](#)
- HONORS AND AWARDS**
- ◇ Awarded the **4-Year Fellowship** (UBC's Premier PhD Award), 26000 CAD per year, University of British Columbia, Vancouver, Canada, 2017.
  - ◇ Awarded the **Student Service Award**, University of British Columbia, Vancouver, Canada, 2017.
  - ◇ Awarded the **UBC International Tuition Award**, 3200 CAD per year, University of British Columbia, Vancouver, Canada, 2015-2021.
  - ◇ **Ranked 1<sup>st</sup> in Cumulative GPA** among all students in Software Engineering department, Amirkabir University of Technology.
  - ◇ Awarded the **Best Student of the Year** title, Amirkabir University of Technology, 2013 - 2015.
  - ◇ Ranked 11th in **19th National Olympiad in Computer Engineering**, Tehran, Iran, 2014.
  - ◇ Ranked 22nd in **International Data Mining Cup (DMC)**, Berlin, Germany, 2014.
- RESEARCH EXPERIENCE**
- ◇ **An entity resolution problem in restaurants**, **Supervisor:** Dr. David Poole
  - ◇ **RNA secondary structure design algorithms**, **Supervisor:** Dr. Cristina Conati
  - ◇ **Replacement policies for cache memory**, **Supervisor:** Dr. Hamid R. Zarandi
- TEACHING ASSISTANCE**
- ◇ Artificial Intelligence, Algorithm Design, Computer Architecture, Data Structures
- VOLUNTEER EXPERIENCE**
- ◇ **StarAI reading group Organizer:** Computer Science Department, UBC, 2017 - present.
  - ◇ **Committee member**, at Focus of Women in CS: 2015 - present.
  - ◇ **Program Facilitator**, at GIRLsmart4tech: 2017 - present.
  - ◇ **Mentor**, at Girls Learning Code: 2017 - present.